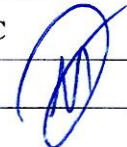


Work Order ID 158267

Thursday, March 16, 2017 11:21:36 AM

158267

Page 1

Item ID: D3166-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Basket Hoop
Start Date: 3/20/2017 Start Qty: 20.00 ***20*** Cust Item ID:
Required Date: 3/22/2017 Req'd Qty: 20.00 ***20*** Customer:
Reference: SCHEDULED/C
Approvals: Process Plan:  Date: MAR 16 2017 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3166	Rev A1								
100	Skidtubes	0.00							
100									
Large Fab	Memo	4.00							
Large Fab	Cut 3/4" x 3/4" square tubing 60.00" long.								
110	BENDING MACHINE - SKIDTUBES	0.65							
110									
CNC Bend 1	Memo	1.41							
CNC Delta 100 Bender	Form D3166-1 Basket Hoop as per Dwg D3166 using Bending program 350 BASB, and folio 18.								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control	Inspect Basket Hoop dimensions with template D3166-1-T1 (DT8302)								

20x DC 2017/03/2720 TH
17-04-0520 JAS
38
APR 06 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Work Order ID 158267

Thursday, March 16, 2017 11:21:36 AM

158267

Page 2

Item ID: D3166-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Basket Hoop
Start Date: 3/20/2017 Start Qty: 20.00 ***20*** Cust Item ID:
Required Date: 3/22/2017 Req'd Qty: 20.00 ***20*** Customer:
Reference: SCHEDULED/C

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>LEAD</u>	0.00							
130						<u>20x</u>	<u>Do</u>	<u>2017/04/07</u>	
Packaging	Memo	0.20							
Packaging	LOCATION : WA004								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	2.00							
Quality Control									

DAS
21
9-89

APR 07 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

Picklist Print

Thursday, March 16, 2017 11:21:36 AM

Page 1

Work Order ID: 158267

158267

Parent Item: D3166-1

D3166-1

Parent Item Name: Basket Hoop

Start Date: 3/20/2017

Required Date: 3/22/2017

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP A02.08.23New issueKJ
IPP: B 08.12.05 Updated bending program on step 3 per NCR W/O43165 KJ
Verified by: EC
IPP Rev:C 09-01-23 as per DEO D3166-A2 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TS0.750W.065		Purchased	No			100	f	1,042.804	5	105.2632			

M304TS0 750W 065

304 SQ Tube .75x.75x.065W

DC 2017/03/27

Location

WA004

Loc Qty

1042.804944

2.264944

93.54

147

800

Loc Code

B137065 →

106

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

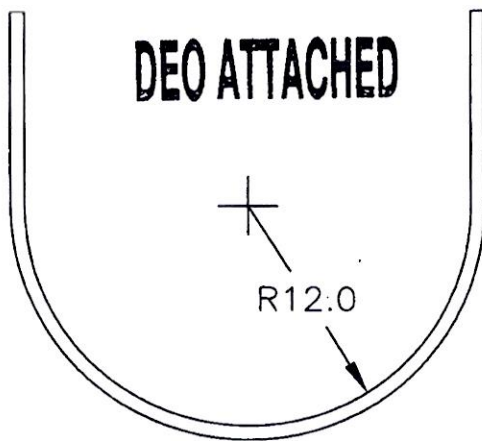
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



DESIGN #	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3166	REV. A SHEET 1 OF 1
DATE 02.07.10		TITLE BASKET HOOP	SCALE NTS
A	02.07.10	NEW ISSUE	
A1	04.04.08	38+/-1 WAS 36.0	

RELEASED
02.08.06

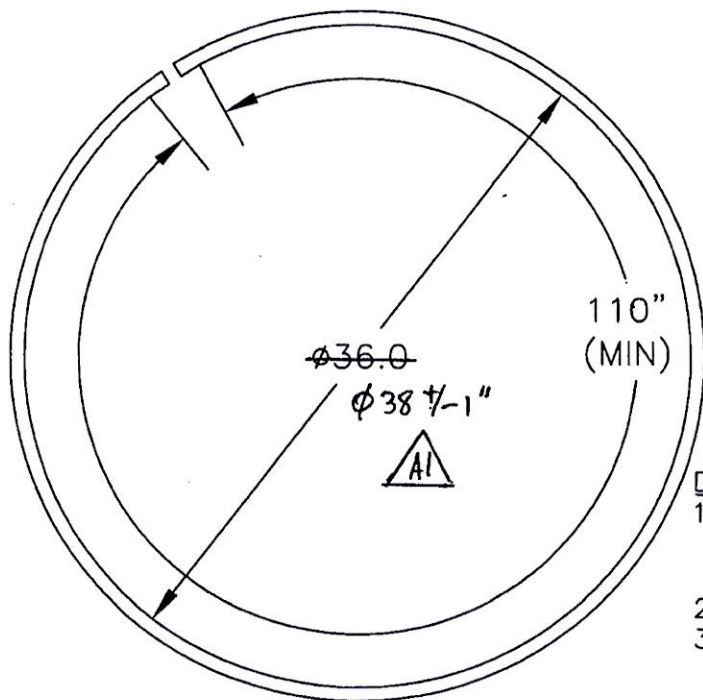
DEO ATTACHED



10.6 (REF, NEED 8.0 MIN)

D3166-1 BASKET HOOP

- 1) MATERIAL: AISI 304/316 SS SQUARE TUBING,
0.75" x 0.75" x 0.063 WALL, 60.00" LONG
(REF DART SPEC. M304TS0.750W.063)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 158267
MAR 16 2017

D3166-3 BASKET HOOP

- 1) MATERIAL: AISI 304/316 SS SQUARE TUBING,
0.75" x 0.75" x 0.063 WALL, 120.00" LONG
(REF DART SPEC. M304TS0.750W.063)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED

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DRAWING NO. D3166	TITLE BASKET HOOP	REV A1	DART AEROSPACE LTD ENGINEERING ORDER		D.E.O. NO. D3166-A-2	SHEET NO. 1 OF 1	SCALE NTS
DRAWN AJS	CHECKED 1	MFG. APPR. M	APPROVED M		DE APPR. H		
DATE 08.12.11	DATE 08.12.15	DATE 08/12/15	DATE 08/12/16		DATE 08.12.16		

1) MODIFY MATERIAL NOTE FOR D3166-1 AS SHOWN:

IS:

1) MATERIAL: AISI 304/316 SS, 3/4 X 3/4 X 0.065 WALL SQUARE TUBING,
60.00" LONG
REF. DART SPEC M304TS0.750W.065

WAS:

1) MATERIAL: AISI 304/316 SS SQUARE TUBING,
0.75" x 0.75" x 0.063 WALL, 60.00" LONG
(REF DART SPEC. M304TS0.750W.063)

2) MODIFY MATERIAL NOTE FOR D3166-3 AS SHOWN:

IS:

1) MATERIAL: AISI 304/316 SS, 3/4 X 3/4 X 0.065 WALL SQUARE TUBING,
120.00" LONG
REF. DART SPEC M304TS0.750W.065

WAS:

1) MATERIAL: AISI 304/316 SS SQUARE TUBING,
0.75" x 0.75" x 0.063 WALL, 120.00" LONG
(REF DART SPEC. M304TS0.750W.063)

RELEASED
08/12/16 M

REASON: SEE PAR 08-005